



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Wynne Weston-Davies

SERIAL NO.: 10/551,482

EXAMINER: Not yet assigned

DATE FILED: September 29, 2005

ART UNIT: Not yet assigned

FOR: HISTAMINE BINDING COMPOUNDS FOR TREATMENT METHOD
FOR DISEASE CONDITIONS MEDIATED BY NEUTROPHILS

CERTIFICATE OF MAILING UNDER 37 CFR §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on July 27, 2006.

Carolyn Di Meglio
(Name of depositor)

Carolyn Di Meglio 7/27/06
(Signature and Date)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with Applicant's and Applicant's representatives' Duty of Disclosure under 37 CFR § 1.56, and pursuant to 37 CFR §1.97 and MPEP 717.05(b), Applicant(s) submit herewith documentary information for consideration by the Examiner. Information herein cited is only set forth in fulfillment of Applicant's duty of candor in disclosing all information brought to his attention, and is not an admission that it can be used adversely. The publications forwarded herewith are listed on the enclosed Form PTO-1449. Applicant(s) request that the Examiner, upon reviewing the enclosed materials, initial the enclosed form and return a copy thereof in accordance with the instructions on the form.

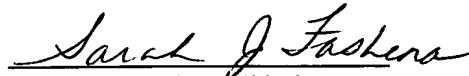
Enclosed please find copies of References **AA** through **DR** listed on the attached Form PTO-1449. However, with respect to References **BA** through **BF**, please note that due to the size of the references, a compact disc containing these references saved as Adobe PDFs is enclosed in place of printed copies. The Examiner is respectfully directed to the electronic databases of the U.S. Patent and Trademark Office for U.S. Patent Application No. 09/555,296. No fee is believed due for the filing of this statement inasmuch as it is being filed

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Attorney Docket No.:2488-1-011

before the mailing of the first official action on the merits. However, should the U.S. Patent and Trademark Office determine otherwise, authorization is hereby given to charge Deposit Account No. 11-1153 for this filing.

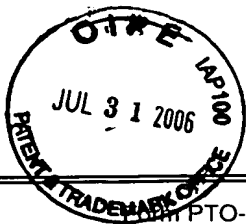
Respectfully submitted,



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Date: July 27, 2006



LIST OF DOCUMENTARY INFORMATION CITED BY APPLICANT (Use several sheets if necessary)	ATTORNEY DOCKET NO.	2488-1-011	
	SERIAL NO.	10/551,482	
	APPLICANT	Wynne Weston-Davies	
	FILING DATE	September 29, 2005	
		GROUP	Not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIAT E
	AA	6,617,312	9/09/03	Paesen et al.			
	AB	USSN 09/555,296	9/13/00	Nuttall et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	BA	WO 01/15719	3/08/01	PCT			
	BB	WO 01/40469	6/7/01	PCT			
	BC	WO 99/27104	6/3/99	PCT			
	BD	WO 97/44451	11/27/97	PCT			
	BE	GB 2283239	5/3/95	UK			
	BF	WO 96/11271	4/18/96	PCT			

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Form PTO-1449 IRSY. 7.801 U.S. Department of Commerce Patent and Trademark Office	ATTORNEY DOCKET NO.	2488-1-011
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CA	Andersen et al., The crystal structure of nitrophorin 4 at 1.5Å resolution: transport of nitric oxide by a lipocalin-based heme protein, Structure, 6:1315-1327 (1998)
	CB	Andersen et al., Nitric Oxide Binding and Crystallization of Recombinant Nitrophorin I, a Nitric Oxide Transport Protein from the Blood-Sucking Bug <i>Rhodnius prolixus</i> , Biochem., 36:4423-4428 (1997)
	CC	Bernard et al., The American-European Consensus Conference on ARDS, Am. J. of Respir. & Crit. Care Med., 149:818-824 (1994)
	CD	Byrne et al., Increased survival time after delayed histamine and prostaglandin blockade in a porcine model of severe sepsis-induced lung injury, Crit. Care Med., 18:303-308 (1990)
	CE	Byrne et al., Ranitidine Compared to Cimetidine in Multiagent Pharmacological Treatment of Porcine <i>Pseudomonas</i> ARDS, Circulatory Shock, 30:117-127 (1990)
	CF	Burde et al., Histamine inhibits activation of human neutrophils and HL-60 leukemic cells via H ₂ -receptors, Archives of Pharmacology, 340:671-678 (1989)
	CG	Chinery et al., Histamine blocking agent in the salivary gland homogenate of the tick <i>Rhipicephalus sanguineus sanguineus</i> , Nature, 265:366-367 (1977)
	CH	Chinery et al., Observation on the Saliva and Salvary Gland Extract of <i>Haemaphysalis Spinigera</i> and <i>Rhipicephalis Sanguineus Sanguineus</i> , J. Parasitology , 67:15-19 (1981)
	CI	Couillin et al., Arthropod-derived histamine binding protein prevents allergic asthma, Annual meeting Inter. Cytokine Society, 14, 48 (2003) (Database Biosis Online Biosciences Information Service, Database accession no. PREV200300585945)

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	CJ	Dahlgren et al., Respiratory burst in human neutrophils, J. of Immunol. Methods, 232:3-14 (1999)
	CK	Falus, Contents of "Histamine and Inflammation", Landes Company, Austin, pp 139 (1994)
	CL	Ferreira et al., The continuous bioassay of the release and disappearance of histamine in the circulation, Br. J. Pharmacol., 49:543-553 (1973)
	CM	Gantner et al., Histamine H ₄ and H ₂ Receptors Control Histamine-Induced Interleukin-16 Release from Human CD8 ⁺ T Cells, J. of Pharmacology, & Exp. Therapeutics, 303:300-307 (2002)
	CN	Harris et al., Relative Contribution of the Selectins in the Neutrophil Recruitment Caused by the Chemokine Cytokine-Induced Neutrophil Chemoattractant (CINC), Biochemical & Biophysical Res. Commun., 221:692-696 (1996)
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	CR	Jones et al., The rearing and maintenance of ixodid and argasid ticks in the laboratory, Animal Technology, 39:99-106 (1988)
	CS	Keller et al., Cloning of the cDNA and Expression of Moubatin, an Inhibitor of Platelet Aggregation, J. Biological Chem., 268:5450-5456 (1993)
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	CV	Paesen et al., THE EXPRESSION AND CHARACTERISATION OF 3 RELATED TICK SALIVARY GLAND PROTEINS, Proceedings and Abstracts - The Second International Conference on Tick-Borne Pathogens at the Host-Vector Interface: A Global Perspective, pp. 317 (1995)
	CW	Paesen et al., Tick Histamine-Binding Proteins: Isolation, Cloning, and Three Dimensional Structure, Molecular Cell, 3:661-671 (1999)
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	CY	Ribeiro et al., High Affinity Histamine-binding and Antihistaminic Activity of the Salivary Nitric Oxide-carrying Heme Protein (Nitrophorin) of <i>Rhodnius prolixus</i> , J. Exp. Med. 180:2251-57 (1994)
	CZ	Ribeiro, Salivary Thiol Oxidase Activity of <i>Rhodnius prolixus</i> , Insect Biochem. Molec. Biol., 26:899-905 (1996)
	DA	Sielaff et al., Treatment of Porcine Pseudomonas ARDS with Combination Drug Therapy, The Journal of Trauma, 27:1313-1322 (1987)
	DB	Sielaff et al., Successful treatment of adult respiratory distress syndrome by histamine and prostaglandin blockade in a porcine <i>Pseudomonas</i> model, Surgery, 102:350-357 (1987)
	DC	Sun et al., Characterization and cDNA cloning of a hemoprotein in the salivary glands of the blood-sucking insect, <i>Rhodnius prolixus</i> , Insect Biochem. and Molec. Biol., 28:191-200 (1998)
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	DE	Takeshita et al., Critical Role of L-Selectin and Histamine H4 Receptor in Zymosan-Induced Neutrophil Recruitment from the Bone Marrow: Comparison with Carrageenan, J. of Pharmacology & Exp. Therapeutics, 310:272-280 (2004)

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	DF	Takeshita et al., Critical Role of Histamine H ₄ Receptor in Leukotriene B ₄ Production and Mast Cell-Dependent Neutrophil Recruitment Induced by Zymosan in Vivo, The Journal of Pharmacology & Exp. Therapeutics, 307:1072-1078 (2003)
	DG	Valenzuela et al., Purification And Cloning Of The Salivary Nitrophorin From the Hemipteran <i>Cimex Lectularius</i> , J. Exp. Bio. 201:2659-2664 (1998)
	DH	Wang et al., Immunoglobulin G binding proteins in male <i>Rhipicephalus appendiculatus</i> ticks, Parasite Immunology, 17:517-24 (1995)
	DI	Warlow et al., Solubilization And Characterization Of Moderate And High Affinity Histamine Binding Sites On Human Blood Mononuclear Cells, Molec. Immun., 24:27-37 (1987)
	DJ	Weichsel et al., Crystal structures of a nitric oxide transport protein from a blood-sucking insect, Nature Structural Biol. 5:304-309 (1998)
	DK	Wescott et al., Histamine H-1 Binding Site On Human Polymorphonuclear Leukocytes, Inflammation, 7:291-300 (1983)
	DK	Yuda et al., Expression, reconstitution and characterization of prolixin-S as a vasodilator A salivary gland nitric-oxide-binding hemoprotein of <i>Rhodnius prolixus</i> , Euro. J. of Biochem. 249:337-342 (1997)
	DM	Zhang et al., Nitrophorin-2: A Novel Mixed-Type Reversible Specific Inhibitor of the Intrinsic Factor-X Activating Complex *, Biochem. 37:10681-10690 (1998)
	DN	Couillin et al., Arthropod-Derived Histamine-Binding Protein Prevents Murine Allergic Asthma, J. of Immunology, 173:3281-3286 (2004)
	DO	Mans, Tick histamine-binding proteins and related lipocalins: Potential as therapeutic agents, Current Opinion in Investigational Drugs, 6:1131-1135 (2005)
	DP	Sangamnatdej et al., A high affinity serotonin- and histamine-binding lipocalin from tick saliva, Inset Molecular Biology 11:79-86 (2002)

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	DQ	Paesen et al., Histamine - Binding Proteins in the Tick Saliva, FASEB Journal, 12(5): A1001 (1998)
	DR	Wang et al., Comparison of the proteins in salivary glands, saliva and haemolymph of <i>Rhipicephalus appendiculatus</i> female ticks during feeding, Parasitology, 109:517-523 (1994)

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